

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US04/41395

<b>A CLASSIFICATION OF SUBJECT MATTER</b>																										
IPC(8) GQ7F 17/00 US CL 700/232 According to International Patent Classification (IPC) or to both national classification and IPC																										
<b>B FIELDS SEARCHED</b>																										
Minimum documentation searched (classification system followed by classification symbols) U S 700/232 , 700/237, 705/14																										
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																										
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST USPAT,US-PGPUB,Derwent, EPO, JPO, PLUS DB Search, EIC Dialog Search																										
<b>C DOCUMENTS CONSIDERED TO BE RELEVANT</b>																										
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No																								
X	US2002/0007453 A1 (NEMOVICHER) 17 January 2002, pages 4-8	1-1 1																								
X	US 2002/01 16262 A1 (MITCHELL) 22 August 2002, Fig 1-2	1-1 1																								
x	US 6,601,040 B1 (KOLLS) 29 July 2003, Fig 1, 11	1-1 1																								
x	US 2003/0080999 A1 (STONE et al) 1 May 2003, Pages 4-5	1-1 1																								
Y	US 6,628,764 B1 (PETITE) 30 September 2003, columns 3-6	1-1 1																								
Y	US 2003/0222135 A1 4 December 2003, pages 3-5	1-1 1																								
A	US 5,979,757 (TRACY et al) 9 November 1999	1-1 1																								
A	US 6,554,184 B1 (AMOS) 29 April 2003	1-1 1																								
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input type="checkbox"/> See patent family annex																										
<table border="0"> <tr> <td colspan="2">* Special categories of cited documents</td> <td>"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"A"</td> <td>document denning the general state of the art which is not considered to be of particular relevance</td> <td>"X"</td> <td>document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent published on or after the international filing date</td> <td>"Y"</td> <td>document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"L"</td> <td>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"&amp;"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use exhibition or other means</td> <td></td> <td></td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			* Special categories of cited documents		"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"A"	document denning the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"E"	earlier application or patent published on or after the international filing date	"Y"	document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family	"O"	document referring to an oral disclosure, use exhibition or other means			"P"	document published prior to the international filing date but later than the priority date claimed		
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Date of the actual completion of the international search 27 December 2005 (27 12 2005)		Date of main international search report 24 FEB 2006																								
Name and mailing address of the ISA/US Mail Stop PCT, Attn ISA/US Commissioner for Patents P O Box 1450 Alexandria, Virginia 22313-1450 Facsimile No (703) 305-3230		Authorized officer W. W. Hermuth Jr. Donald Walsh Telephone No 571-272-3600																								